

## Contents

### *Marine Geology Volume 92, 1990*

#### *Research Papers*

Dynamics of the Laurentide Ice Sheet in Hudson Bay, Canada	
H.W. Josenhans (Dartmouth, N.S., Canada) and J. Zevenhuizen (Halifax, N.S., Canada) .....	1
Biostratigraphy, lithofacies and paleoenvironments of the Gulf 718-1 well, U.S Mid-Atlantic Outer Continental Shelf	
L.J. Poppe (Woods Hole, Mass., U.S.A.), R.E. Hall (Washington D.C., U.S.A.), H.L. Cousminer (Los Angeles, Calif., U.S.A.), R.W. Stanton (Reston, Va., U.S.A.) and W.E. Steinkraus (San Ramon, Calif., U.S.A.) .....	27
A Late Quaternary canyon/channel system, northwest Gulf of Mexico continental slope	
W.M. Satterfield and E.W. Behrens (Austin, Tex., U.S.A) .....	51
A reconnaissance survey of the Whittard Sea Fan, Southwestern Approaches, British Isles	
G.S. Reid (Menai Bridge, U.K.) and D. Hamilton (Bristol, U.K.) .....	69
Iceberg deformation and erosion in soft sediments, southeast Norway	
O. Longva and K.J. Bakkejord (Trondheim., Norway) .....	87
Interrelationships between porosity and other geotechnical properties of slowly deposited, fine-grained marine surface sediments	
A. Wetzel (Basel, Switzerland) .....	105
Relationship between morphology and composition of manganese nodules from the Central Indian Ocean	
P. Jauhari (Goa, India) .....	115
Correlation between occurrence of manganese nodules and rocks in a part of the Central Indian Ocean	
S.D. Iyer and R. Sharma (Goa, India) .....	127

#### *Letter Section*

SPHINCS: A system for cataloguing and interpreting seabed photographs of nodules	
R. Sharma and V.N. Kodagali (Goa, India) .....	127
Migration of swash zone, step and microtopographic features during tidal cycles on an estuarine beach, Delaware Bay, New Jersey, U.S.A.	
K.F. Nordstrom and N.L. Jackson (New Brunswick, N.J., U.S.A.) .....	147
A young porcellanite occurrence from the Southwest Indian Ridge	
G. Bohrmann, G. Kuhn, A. Abelmann, R. Gersonne and D. Fütterer (Bremerhaven, F.R.G.) .....	155

#### *Research Papers*

Pleistocene dissolution fluctuations from apparent depth of deposition in Core ERDC-127P, west-equatorial Pacific	
D. Hebbeln and G. Wefer (Bremen, F.R.G.) and W.H. Berger (Bremen, F.R.G. and La Jolla, Calif., U.S.A.) .....	165
Modification of a linear bar - trough system by a standing edge wave	
B.O. Bauer (Los Angeles, Calif., U.S.A.) and B. Greenwood (Scarborough, Ont., Canada) .....	177
Modern sedimentary processes in the Wilmington Canyon area, U.S. east coast	
M.W. Sanford and S.A. Kuehl (Columbia, S.C., U.S.A.) and C.A. Nittrouer (Stony Brook, N.Y., U.S.A.) .....	205
A reassessment of sand transport paths in the Bristol Channel and their regional significance	
A.H. Stride (Petersfield, U.K.) and R.H. Belderson (Godalming, U.K.) .....	227
Holocene sediments in a shallow bay, southern coast of Kuwait, Arabian Gulf	
A.N. Al-Ghadban (Safat, Kuwait) .....	237
Correlation of deep-sea sediments and forereef carbonates in the Red Sea: An important clue for basin analysis	
T.C. Brachert and W.-C. Dullo (Erlangen, F.R.G.) .....	255
Atypical ferromanganese nodules from pelagic areas of the Central Indian Basin, equatorial Indian Ocean	
S. Roy, S. Dasgupta and S. Mukhopadhyay (Calcutta, India) and M. Fukuoka (Fukuoka, Japan) .....	269
Distribution and geochemical association of clay minerals on the inner shelf of central Kerala, India	
M. Prithviraj and T.N. Prakash (Trivandrum, India) .....	285
Geochemistry of sediments from the Romanche Fracture Zone, equatorial Atlantic	
E.O. Odada (Nairobi, Kenya) .....	291
Tectonic and volcanic evolution of Panarea (Aeolian Islands, Italy)	
G. Gabbianelli (Bologna, Italy), P.Y. Gillot (Gif sur Yvette, France), G. Lanzafame (Catania, Italy) and C. Romagnoli and P.L. Rossi (Bologna, Italy) .....	313

<i>Current Titles in Marine Geology, Part I</i> .....	327
<i>Current Titles in Marine Geology, Part II</i> .....	335